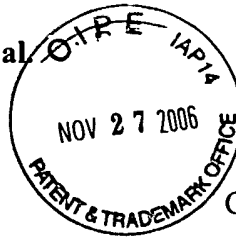


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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the Application of: **Fumihiko KIMURA et al.**



Group Art Unit: **2628**

Application Number: **10/590,704**

Examiner: **Unknown**

Filed: **August 25, 2006**

Confirmation Number: **4387**

For: **DESIGN METHOD FOR INDUSTRIAL PRODUCT USING  
CLOTHOID CURVE, INDUSTRIAL PRODUCTS DESIGNED BY  
THE DESIGN METHOD, AND METHOD AND DEVICE FOR  
NUMERICAL CONTROL USING THE CLOTHOID CURVE**

Attorney Docket Number: **062916**

Customer Number: **38834**

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §1.97(b)**

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

November 27, 2006

Sir:

In compliance with 37 C.F.R. §1.56, Applicants direct the attention of the Patent and Trademark Office to the documents listed on the attached PTO/SB/08. This paper is being filed within the time periods set forth in 37 C.F.R. §1.97(b). A copy of each non-U.S. document is enclosed herewith.

If there are any fees due in connection with the filing of this paper, please charge Deposit Account No. 50-2866.

Respectfully submitted,

**WESTERMAN, HATTORI, DANIELS & ADRIAN, LLP**

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WFW/dlt

Enclosures: PTO/SB/08  
3 Documents

Combined Form PTO/SB/08A&amp;B

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

1

of

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Complete if Known

Application Number	10/590,704
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First Named Inventor	Fumihiko KIMURA et al.
Art Unit	2628
Examiner Name	Unknown
Attorney Docket Number	062916

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US			
		US			
		US			
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		US			
		US			
		US			
		US			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
	1	Kenjiro T. MIURA, "Unit Quaternion Integral Curve" Department of Mechanical Engineering, Shizuoka University, Nov. 1997, Vol. 38 No. 11, pp 2227-2236	Cited in ISR
	2	Shi-yu QIU, et al., "Free Curve Interpolation Using Clothoidal Curve", JRSJ Vol. 8 No. 6, December 1990, pp 40-47	Cited in spec. & ISR
	3	Guqing LI, et al., "3D Discrete Clothoid Splines", CGI 2001 (IEEE 2001), pp 321-324	Cited in spec.

Examiner Signature

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to indicate here if English language Translation is attached.